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(54) Title: SILICONE RESINS

(57) Abstract: A silicone resin, curable to a resin of low coefficient of thermal expansion, high glass transition temperature and high modulus, has the empirical formula $(R_3SiO_{1/2})_a(R_2SiO_{2/2})_b(RSiO_{3/2})_c(SiO_{4/2})_d$ wherein each R is a hydrocarbon or substituted hydrocarbon group or a hydrogen atom; and $a = 0.02$ to 0.8 ; $b = 0$ to 0.4 ; and $c+d = 0.2$ to 0.98 , where $a+b+c+d = 1.0$, characterized in that at least 2 mole% of the siloxane units in the resin are of the formula $R'_3SiO_{1/2}$, $RR'_2SiO_{1/2}$ or $R'_2SiO_{2/2}$ wherein each R' is an alkenyl group.



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